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Enzyme	Principal Lesion Class Lesions Recognized Recognized	Lesions Recognized
E. coli formamidopyrimidine-	Oxidized Purines	FaPyAdenine, FaPyGuanine, C8-oxoGuanine, some
DNA glycosylase (Fpg Protein)		abasic sites, C8-oxoAdenine and to a lesser extent,
		other modified purines (FaPy = $2,6$ -diamino-4-
		hydroxy-5-N-methylformamido-pyrimidine).
E. coli Nth Protein	Oxidized pyrimidines	Thymine residues damaged by ring saturation,
(Endonuclease III)		fragmentation, or ring contraction, including 5,6-
		dihydrothymine, thymine glycol, urea, 5-hydroxy-5-
		methyl hydantoin, DNA damaged at guanine sites, and
		some abasic sites.
E. coli Nfo Protein	Abasic sites	Several types of abasic sites, including oxidized abasic
(Endonuclease IV)		sites, abasic sites modified with alkoxyamines, and
	-	DNA containing urea residues.

FIG. 1

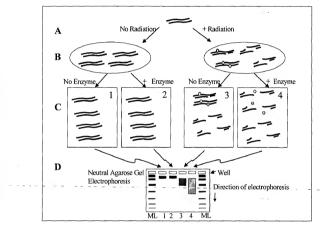
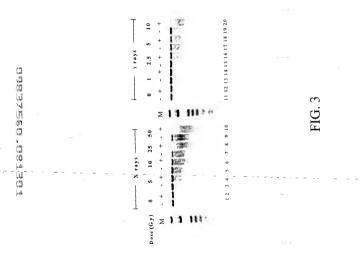
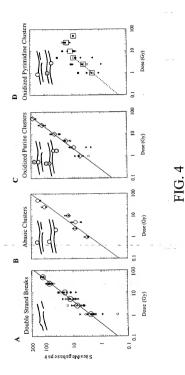


FIG. 2





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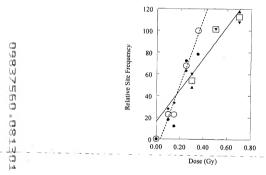


FIG. 5